DXpedition News

Thailand - HS Fred Laun K3ZO returns to Thailand for five weeks beginning later this month. Look for activity as **HSØZAR** approximately Aug. 22-Sept. 30. Fred will operate SSB and CW on 40, 20, 15, and 10 meters, especially around 7007 kHz, from the HSØAC club station. QSL direct or via the W3 bureau to Fred at P. O. Box 97, Temple Hills MD 20757-0097.

Nigeria - 5N Pete Meyer WØAW (ex-NØAFW), Mike N9NS, Joe K8JP, and Vincent GØLMY will operate as 5N9N in the CQWW SSB contest Oct. 26-27. The team will be in Nigeria Oct. 22-Nov. 3 and will operate CW and RTTY outside the contest, as well as RS-12 and AO-13. They are looking for a couple more operators; contact Pete if you're interested. QSL direct only with SASE or SAE and postage to N2AU. No bureau cards.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Micronesia - V6 Uwe DJ9HX will operate as **V63CO** from Truk (OC-011) Aug. 10-14, Kosrae (OC-059) Aug. 14-22, Pohnpei (OC-010) Aug. 22-27, and Yap (OC-012) Aug. 28-Sept. 1. QSL via the DARC (German) bureau to his home call.

Mozambique - C9 JG6BKB, JR6XIW, and JA6SJN will operate as **C93AN** Aug. 2-5, on 80-10 meters, CW and SSB.

Market Reef - OJØ OIIØMB is the callsign of the current Market Reef operation. Try the usual DX frequencies and 14084 kHz for RTTY. Special requests may be phoned in to 358 50 5142 111, a mobile phone on the Reef. QSL to Seppo Sisatto OH1VR, Lansirinteenkatu 23, FIN-33400 Tampere, Finland.

Shortly Noted

■ **VKØWH** has been QRT over the past month. However Warren says he will look for stateside stations Tuesdays from 1030Z on 7009 kHz and Europe on Sundays from 0500Z, until the end of August. He leaves Macquarie at the end of October. His replacement may be another amateur.

■ **A35PM** is the new callsign of Paul Kidd KK6H on Tonga. Paul will try to operate from Niue ZK2 during the first two weeks of Aug. QSL to W7TSQ.

■ **SV9/IIAØIHW/p** will operate from Crete (EU-015) Aug. 5-19, concentrating on the new bands, but including 40 and 20 meters, both CW and SSB. QSL home call. (*OPDX.*)

■ The **HI9/I4LCK** CW DXpedition has been postponed to Aug. 6-16. See Issue 847 for more information.

■ **RTTY: ZD8DEZ** is often on 14087 kHz beginning about 1930Z.

■ **DX Nets:** 14226.5 kHz: 9G1SB 7X2LS; 14247 kHz: CU3DH HR6/N7QXQ KG4CM 9A1BHI ZD7CTO D2PV A61AN SV3AQR Z31JA.

Islands On The Air

■ **GM3TQQ/p** may be active from Gigha Island (EU-008) Aug. 7-9, operated by G3TQQ. David will use the same callsign from Arran Island (EU-123) Aug. 4-7 and again Aug. 9, on 20-meter SSB.

■ **KE1BG** and **N1REU** will operate from Block and Conanicut Islands (NA-031) Aug. 10-11, barefoot into a vertical. QSL home calls.

■ **IT9FXY** and **IT9GNG** will operate from La Scuola Island (EU-166) Aug. 2-5. QSL to IT9FXY.

■ **OZ5RM/A** and **OZ/SM7KJH** will operate from Anholt Island (EU-088) Aug. 14-19, mostly CW. try the QRP frequencies on 80 and 20 meters.

■ **VE8A** will be aired from Akimiski Island in James Bay Aug. 4-6, weather permitting. This is a New One for IOTA. Try the IOTA frequency of 14260 kHz.

■ **AB5EB, AB5EA** and **KB5SKN** will operate from Kalgin Island (NA-158) Aug. 2-3, signing **/KLØ**, on SSB and CW. QSL via home calls.

■ The **N1REU** (NA-031) operation has been postponed until later in August.

■ **W3GOI** will operate from Ocracoke Island (NA-067) in early August.

■ **KE4PUC** will operate from Sunset Beach (NA-112) Aug. 3-16. Try the IOTA frequencies on 40, 20, and 10 meters 12-1500Z and 00-0400Z. QSL home call.

■ **IT9GNG** and **IT9FXY** will operate from La Scuola Island (EU-166) Aug. 3-5.

■ **III9/IK8BIZ** will operate from Pantelleria Island (AF-018) Aug. 6-31, mostly CW.

■ **VK8NSB** will try to operate from Croker Island, a New One for IOTA, Aug. 8-14.

■ **IILØY/3** is active from Shapsi Island (AS-080) until Aug. 3, on 40-12 meters, CW and SSB. QSL to HLØY.

■ **ISØ/IK4IIPU** will operate from Sardina (EU-165) Aug. 3-19.

Propagation

Forecast and Historical Data

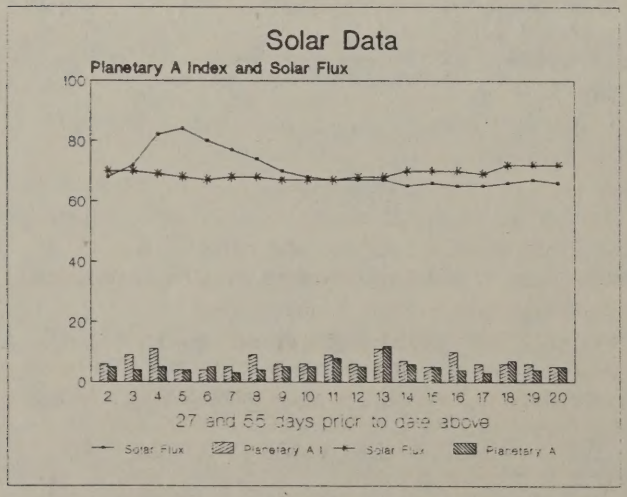
Day	Forecast	27 Days Before			55 Days Before			
August, 1996		Date	Flux	A K	Date	Flux	A	K
2	High Normal	7/6	68	04/06 1	6/8	70	07/05	2
3	High Normal	7/7	72	08/09 2	6/9	70	05/04	2
4	High Normal	7/8	82	09/11 2	6/10	69	07/05	2
5	Above Normal	7/9	84	04/04 1	6/11	68	05/04	2
6	Above Normal	7/10	80	03/04 1	6/12	67	05/05	2
7	Above Normal	7/11	77	02/05 1	6/13	68	03/03	1
8	High Normal	7/12	74	10/09 2	6/14	68	02/04	1
9	High Normal	7/13	70	08/06 1	6/15	67	06/05	2
10	High Normal	7/14	68	08/06 2	6/16	67	05/05	1
11	High Normal	7/15	67	09/09 2	6/17	67	10/08	2
12	High Normal	7/16	67	06/06 1	6/18	68	06/05	1
13	High Normal	7/17	67	11/11 2	6/19	68	15/12	2
14	High Normal	7/18	65	02/07 1	6/20	70	09/06	2
15	High Normal	7/19	66	06/05 1	6/21	70	05/05	2
16	High Normal	7/20	65	13/10 2	6/22	70	03/04	2
17	High Normal	7/21	65	06/06 2	6/23	69	04/03	1
18	High Normal	7/22	66	05/06 1	6/24	72	07/07	3

Propagation

Solar flux dropped to 64.9 on July 18, the lowest level since the last solar minimum in 1986. (The theoretical minimum solar flux is 63.7.) The sun has been spotless for much of July, and is expected to remain nearly so for the next month.

Based on the 27.5-day rotation of the sun, Sunspot Region 7978 is due back now. This spot pushed flux above 80 last month, but is not expected to do so this time around, as it was fading out as it rotated to the back of the sun. Look for flux to continue to hover near 70, or even a bit below 70. The 30-day average flux is 70.

The very quiet geomagnetic conditions provide some good long-path and high-latitude openings for patient DXers with good ears. Signals are very weak, but workable. Try 40 meters at night and 20 meters during the day. 30 meters is open to some part of the world 24 hours a day, but activity remains low. Try 17 meters to the southeast in the late morning and to the southwest in the afternoon. Good hunting!



Shortly Noted, Continued

■ **FO:** Gianni I5JHW will operate from Bora Bora (OC-067) in French Polynesia Aug. 21-29, following his South Cook Islands operation. See Issue 849 for more information.

■ **TM2JP** marks the visit of Pope Jean Paul II to France Sept. 15-22. Try 1835, 3510, 7010, 14020, 21020, and 28020 kHz on CW, as well as the new bands. (*LNDX.*)

■ **EL:** Carl K4YT plans to operate from Monrovia for 2-3 weeks, beginning Aug. 12. QSL home call.

■ **FK:** Hiro JE5WIM will operate from New Caledonia Aug. 10-14; QSL home call.

Islands On The Air, Continued

■ **PR5L** and **ZV5AVM** will be operated from Sao Francisco Island (SA-027) Aug. 26-Sept. 1. QSL to PP5LL.

■ **WF1N** and **KA1DIG** will operate from Appledore Island (NA-148) Sept. 20-23, on the IOTA frequencies. On 40 meters, try 7160-7190 kHz, listening down for DX and 7260-7290 for USA. QSL direct or via the bureau to home calls.

■ **III9/IK1MND** will operate from Pantelleria Island (AF-018) Aug. 17-22.

■ **III9/IK1ZNM** will operate from Pantelleria Island (AF-018) Aug. 22-Sept. 5, on CW and SSB, on 20, 15, and 10 meters.

■ **IG9/IK2PZC** will operate from Lampedusa Island (AF-019) Aug. 2-11, on SSB, CW, and RTTY.

VP2EHF/VP2EE

Dave Mann VP2EHF is recovering from surgery in Nashville, Tennessee. He expects to be an out patient for several months. Meanwhile, back on Anguilla, his wife Dorothea VP2EE collapsed on July 19, following more than 72 hours handling emergency traffic after Hurricane Bertha. Dorothea suffered a head injury in Hurricane Luis last year, which may have contributed to her collapse. She is stable in the Anguilla hospital. Dave can be reached at 118 Louise Avenue, #7, Nashville TN 37203.

DX Publications Available

Duane Heise AA6EE offers discount prices on the 1996 *Callbook*s (Flying Horse). Either edition (North American or International) is US$22.95, or both for US$43.95. The up-dated Summer 1996 CD-ROM version, which contains both *Callbook*s, is US$39.95. *QRZ! Ham Radio CD-ROM* (Vol. 7, July, 1996)) is US$17.95. The *ARRL Handbook* is US$35.95. All postpaid in the US. California residents add 7.75% tax. Foreign orders add US$5.50 per item for surface mail (CD-ROMs sent via air mail). Send check to Duane at 16832 Whirlwind/DX8, Ramona CA 92065.

ARRL DXCC 2000 Ad Hoc Committee

The first in-person meeting of the ARRL DXCC 2000 committee has held on July 21 in Rocky Hill, Connecticut. Items on the agenda were: history and cost of DXCC, international aspects, discussion of basis and purpose, discussion on how to seek membership input, and overall aspects of the current program. The committee will meet again in the Fall to continue their work.

B • A • N • D • P • A • S • S

S	M	T	W	T	F	S
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

Digimodes

4X4PF	14081	1953	15	MN
4X6UO	14087	1917	18	MN
CX7BF	14086	1146	18	MN
EA9JZ	14089	2212	12	MN
EI9FV	14087	2004	18	MN
FO5OP	14079	0458	15	CA
GUØSUP	14085	1923	16	MN
HB9JAP	14091	1933	18	MN
LA5XGA	14082	2050	19	MN
ON7UI	14086	2130	17	MN
PJ2MI	14085	1456	13	MN
S52CI	14088	1939	18	MN
SV1AGD	14084	1943	18	MN
YI1XW	14089	2005	19	MN
YV5AIE	14079	0150	9	CA
ZD8DEZ	14089	1925	12	MN

160 Meters

DJ2BW	1832	0324	20	SC

80 Meters

A35PM	3502	1125	26	IA
CX4GL	3505	0920	18	NH
EM1KA	3504	0855	26	IA
LU1FD	3505	0915	22	NH
LU8APT	3517	0820	22	NH
PY2DP	3505	0815	22	NH
VK4CY	3503	0920	22	NH
VK4WR	3511	0925	21	NH
ZL1GG	3504	0925	22	NH
ZL2UW	3505	0849	22	NH
ZL4IE	3510	0920	17	NH
ZL4WA	3505	0915	17	NH

75 Meters

ZP6VT	3795	0936	20	AR

40 Meters

4M5LR	7003	0150	19	OK
9M2JJ	7003	1412	20	MT
9M6AG	7007	1155	22	OK
9Y4VU	7004	1050	17	AL
A35PM	7002	1111	26	OK
BOØKS	7009	1130	26	OK
C5ØA	7002	0627	21	MT
CO8LY	7004	1038	18	NH
DX5CAT	7006	1411	20	MT
EM1KA	7006	1256	12	CA
GWØSGL	7008	0201	17	MD
HC5HL	7036	0008	19	NH
HI3AMD	7005	1046	18	NH
HJØVGJ	7009	1137	19	AL
HR1LW	7006	1045	21	IA
HS5ØA	7003	1430	21	MT
J37LK	7234	0229	17	MD
LAØCX	7005	0310	20	SC
LU4FC	7005	2308	18	NH
LU4FD	7004	1040	18	NH
PJ2JB	7008	1110	19	OK
PJ5JF	7007	0024	23	FL
RU1AV	7016	2312	18	NH
T3ØEG	7190	0704	21	IL
UAØLCZ	7004	1040	25	OK
VK8AV	7008	1103	25	OK
YO2BV	7004	0250	26	OK
YT1AD	7002	2310	18	NH
ZK3VA	7002	1058	17	AL
ZL2UW	7006	1126	18	MN

30 Meters

3B8CF	10101	0343	16	SC
EA8/ DJ1OT	10113	0359	21	SC
EK6GC	10102	0338	16	SC
ES1TM	10104	0326	16	SC
HKØER	10109	0153	27	FL
IT9JCB	10102	0349	18	SC
J28JA	10101	0344	19	SC
KH6CF	10102	0553	19	CA
OA4DBP	10110	0336	18	SC
PJ2MI	10103	0523	15	CA
TI3PZ	10101	0310	18	SC
UR5UW	10104	0323	16	SC
YO3AC	10107	0125	16	MA
Z32AF	10109	0341	18	SC
Z32ZM	10102	0019	23	FL
ZL2UW	10102	1142	27	FL

20 Meter CW

3V8BB	14043	2052	13	CA
4L1UN	14008	0243	18	SC
4N1KT	14005	1945	15	MI
4N1SM	14017	2208	20	NH
5B4WN	14024	2135	17	WI
9M2JJ	14005	1347	17	MT
9M6TL	14029	1410	27	IA
9V1ZB	14013	1255	24	IA
9Y4VU	14010	2222	24	FL
BV7FD	14021	1255	24	IA
C5ØA	14022	2134	20	MT
CN67BM	14043	0048	9	WI
EA8AW	14020	0008	23	FL
EA8OK	14035	2354	18	NH
EA9KQ	14021	2147	22	FL
EK4JJ	14025	2351	25	FL
EU1AZ	14045	0031	14	NH
EX8F	14020	0328	18	SC
EX8F	14032	1414	27	FL
EY8XX	14003	0159	27	FL
FM5BS	14012	1300	20	MO
FO5PI	14003	0220	20	MO
GX3TCQ	14018	1151	18	AL
HA9RU	14009	1745	12	MI
HC2SL	14013	0004	14	NH
HC5AI	14007	2306	21	FL
HG5C	14031	0021	14	NH
HKØER	14008	2335	21	IA
HP1AC	14006	2138	23	FL
HS5ØA	14014	1320	20	MO
HZ1AB	14029	2229	24	FL
J41OG	14010	2129	23	FL
LU1HPN	14035	2141	21	NH
LU6ADL	14019	2212	20	NH
LZ5DB	14011	2351	16	MT
PR7FP	14006	2157	20	NH
PY2CJ	14036	2225	20	NH
PY2OC	14014	2131	21	NH
RA2FP	14010	2132	22	FL
RUØLAX	14018	1250	9	MI
RZ9OO	14034	1525	27	IA
S51B	14012	2126	20	MT
S51ZY	14011	2125	20	MT
S52VP	14020	2213	20	NH
S57J	14024	0017	14	NH
S92SS	14041	1825	21	IA
S92SS	14034	2134	20	WI
SU1SK	14039	2355	18	NH
SV1BZ	14012	2108	22	FL
SV2DFA	14006	2119	22	FL
T77BL	14015	2109	22	FL
T92A	14012	2130	21	NH
TT8SP	14019	0001	13	AL
TT8SP	14020	1627	21	AL
TT8SP	14019	2218	24	FL
UAØAZ	14028	0033	25	FL
UA9AJ	14022	1300	4	MI
UA9CBR	14008	1305	10	MI
UN6T	14015	0157	27	FL
VR2GY	14022	1620	17	MT
YT1BB	14007	2357	13	NH
ZB2AZ	14003	2301	17	NH

20 Meter SSB

3V8BB	14263	2200	16	MD
4L5A	14197	1927	15	NH
4M5LR	14257	1233	21	PA
4X4BL	14214	0330	28	IA
4X6RE	14210	2322	17	NH
4X6TT	14194	2250	17	NH
5B4KH	14198	2112	17	WI
5B4WN	14200	2234	17	MD
5B4XF	14152	2146	23	WI
5T5SN	14185	2328	15	MD
7W5J	14264	0129	17	MD
7X2FK	14223	2106	16	MT
7X2LS	14223	2106	16	MT
9K2HN	14255	2242	9	WI
9M6BZ	14175	1158	17	PA
A71BY	14182	2125	18	MO
A71DX	14182	2225	17	MD
A92FZ	14251	2254	18	NH
C21NJ *	14164	0524	22	MT
C91CB *	14164	0514	22	MT
CN8NK	14193	1950	18	NH
CU9B	14260	0006	24	FL
E22AAA	14197	1430	27	IA
EA3OT	14191	0002	8	CA
ES7FQ	14245	1104	17	AR
GU3EJL	14217	1900	16	NH
HSØ/ G4UAV	14156	1242	17	PA
HV4NAC	14210	2201	19	WI
KG4GC	14185	1208	15	PA
LY2ZZ	14217	1537	16	MD
OD5ZZ	14196	2220	22	IA
OX3SA	14222	1215	25	IA
P29WK	14260	1245	10	WI
PY6JJ	14260	2342	25	FL
SVØIE	14203	2240	15	MD
U5WF	14191	1305	21	PA
UAØAP	14208	0335	28	IA
UAØAP	14206	1225	22	PA
VP2MR	14165	1210	19	PA
XT2DP	14172	0921	21	AR
XX9KC	14192	1234	16	PA
YJ8AA	14164	0539	22	MT
YO3FRI	14240	2314	21	AR
YT7AO	14224	2211	19	MT
Z24JS *	14164	0530	22	MT

17 Meter SSB

VK2AXB	18130	0538	14	CA
VK6YR	18130	0439	15	CA

15 Meter SSB

9A4SP	21260	1300	21	IA

Contributors

This Issue made possible by: AB5EA, *DXMB*, *DXNS*, K1HDO, K3ZO, K4II, K4IQJ, K5OVC, K7ABV, K7LFY, K8CH, K8JLF, KB8I, KM9J, KSØM, *LNDX*, N1REU, N2LEB, N6JQL, N6YEU, NM7M, OH2BDP, *OPDX*, VE3VGI, WØAW, WØJRN, W1BFT, W1NH, W4VQ, W6WKE, W8CT, W9HAO, W9RXJ, WB3ECU, WB8ZRL, WF1N, WU6T, and WO6R. Many thanks!

QSLs Received

■ From managers: **3D2HK** (JR1LVR, 8 MOS); **9N1ARB** (KV5V, 1 WK!); **9X/ON4WW** (ON5NT, 7 MOS); **C6AIE** (WZ8D, 1 MO); **FM5GU** (WA4JTK, 1 WK!); **GMØDEQ/P** (GMØKVI, 2 WKS); **JH3YJS/6Y5** (JH3YJS, 3 MOS); **V63AS** (JA3JA, 2.5 YRS!); **ZB2/DL7CM** (DL7CM, 2 WKS!).

■ Direct: **9K2HN** (3 WKS); **EA8AH** (3 MOS); **EA8BWJ** (1 YR); **YV5LIX** (5 YRS!).

Issue 850 - August 2, 1996

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Aruba	**P4**	**P43DC?**	**July 28-Aug. 3**	**I849**
Ascension Island	ZD8	ZD8DEZ	May-Dec.	I835
Benin	TY	TY1RY	CQWW RTTY	I847
Cape Verde	**D4**	**IK3VAW**	**July 21+?**	**I847**
Comoros	D6	DLs	Aug. 22-Sept. 5	I840
Corsica	TK	/IK3JYE	Sept. 2-8	I843
Crete	**SV9**	**/HAØIIW/p**	**Aug. 5-19**	**I850**
Crozet	FT	FT5WE	3505 14Z	I845
		FT5WE	14164 0500Z	I846
Dominican Rep.	**HI**	**HI9/I4LCK**	**Aug. 6-16**	**I847**
Fiji	**3D**	**3D2HW?**	**Aug. 8-14**	**I849**
French Polynesia	**FO**	**I5JIIW**	**Aug. 21-29**	**I850**
Greenland	**OX**	**/G3WUX**	**July 10+**	**I843**
Jan Mayen	JX	JX7DFA	weekends	I849
Lebanon	OD/	F5PWJ	back again	I845
Liberia	**EL**	**K4YT**	**Aug. 12-26**	**I850**
Libya	**5A**	**5A1A**	**soon?**	**I849**
Macquarie	**VKØ**	**VKØWH**	**7009 103Z+ Tues.**	**I850**
Malta	**9H**	**9H3UF/D**	**July 22-Aug. 9**	**I841**
Marion Island	ZS	ZS8IR	14195 10-1200Z	I844
Market Reef	**OJØ**	**OHØMB**	**Aug. 1-4**	**I849/50**
Micronesia	**V6**	**V63CO**	**Aug. 10-30**	**I850**
Midway Island	**KH4**	**NH6D/**	**to Aug. 8**	**I849**
Minami Torishima		**JG8NQJ/JD1**	**July 15+**	**I841**
Mozambique	**C9**	**C93AN**	**Aug. 2-5**	**I850**
Nepal	9N	9N1RHM	14208/226 0130Z	I839
New Caledonia	**FK**	**JE5WIM**	**Aug. 10-14**	**I850**
Nigeria	**5N**	**5N9N**	**Oct. 22-Nov. 3**	**I850**
Niue	**ZK2**	**KK6II**	**Aug. 1-15**	**I850**
Ogasawara	**JD1**	**/7J1AYK**	**Aug. 14-21**	**I849**
		JQ1SUO/JD1	**Aug. 8-11**	**I849**
Papua New Guinea		P29WK	now active	I846
Sable Island	CYØ	WA4DAN+/	Oct. 1-8	I834
South Cook Islands		**ZK1XO?**	**Aug. 14-20**	**I849**
Sri Lanka	**4S**	**4S7BRG**	**June 7-Sept. 2**	**I842**
		4S7EA	14190 1515Z	I842
Thailand	**HS**	**HSØZAR**	**Aug. 22-Sept. 30**	**I850**
Tokelau	**ZK3**	**ZK3YA**	**7003 10-11Z**	**I849**
Tonga	A3	A35PM	Aug. 15+	I850
Uganda	**5X**	**5X1D**	**to Oct.**	**I849**
Zaire	9Q	9Q2L	back soon	I844

DX Operating Events and DX Gatherings

Aug 3-4	Romanian DX Contest
Aug. 10-11	Worked All Europe CW Contest
Aug. 17-18	SARTG WW RTTY Contest
Aug. 30-31	New Orleans DX Convention
Sept. 7	W9DXCC Convention
Oct. 5-6	W5 DX Bash

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
17 Meters	VK2AXB	18130	0400Z+
80 Meters	ZL4IE	3506±	0830Z
Armenia	EK4JJ	14025	0000Z
Chad	TT8SP	14020	varies
Kyrgyzstan	EX8F	14020	0330Z
Madagascar	5R8EN	14011	0445Z
Marion Island	ZS8IR	14196	1100Z
Philippines	DU1SAN	14198	1100Z+
Qayar	A71DX	14187±	2230Z
San Andrés	HKØER	10106±	0200Z Sat.
Sao Tomé	S92SS	20M CW	18-2200Z
Taiwan	BV7WB	14014	1145Z
Tunisia	3V8BB	14011±	21-0100Z

The DX Bulletin

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